



ADDENDUM NO. 2
02/28/2023

Trailer Dump Station
Custer State Park, Blue Bell Campground
Custer County, South Dakota
GFP Project No. Blue200a

Bid Opening Date: March 2, 2023, 3:15 PM CT
Department of Game, Fish and Parks
2nd Floor, Foss Building
523 East Capitol
Pierre, South Dakota 57501-3182

Owner: State of South Dakota
Department of Game, Fish and Parks

Scope of this Addendum:

The following becomes a part of the original plans and specifications, taking precedence over the items that may conflict. The bidder shall note receipt and make acknowledgment of the addendum on his bid form, incorporating its provisions in his bid.

ITEM NO. 1: Additional plumbing notes and specifications

WATER MAIN VALVES

All valves shall be resilient wedge type manufactured to meet or exceed all requirements of AWWA Standard for Resilient Seated Gate Valves C509 or C515, including the City standards listed below.

All valves shall have non-rising stems, opening by turning left and provided with 2-inch "square" nut with arrow cast in metal to indicate direction of opening.

Ductile iron wedge shall have sealing surfaces of the wedge permanently bonded with resilient material to meet ASTM tests for rubber to metal bond ASTM D429. Each valve shall have a smooth unobstructed waterway free from any sediment pockets. Stuffing boxes shall be O-ring seal type with two rings located in stem above thrust-collar. Low friction torque reduction thrust bearing shall be located both above and below the stem collar.



All valve bodies shall be epoxy coated surfaces, both interior and exterior, as specified in AWWA C509 or C515.* All exterior bolts and nuts shall be stainless steel meeting the requirements of 300 or 400 Series stainless steel.

* Epoxy coating shall be a minimum two-part thermosetting, non-toxic epoxy, meeting ANSI/NSF-61 requirements for potable water. ANSI/AWWA C550 Standard applies.

Non-rising stems shall be in full compliance with AWWA Standards with cast integral stem collar. Stem shall be constructed of Series 300 or 400 stainless steel and shall be sealed by three O-rings. Stem nut shall be independent of wedge and shall be solid bronze conforming to ASTM B62.

Valves shall have a minimum hydrostatic shell test of 400 PSI and seat test of 250 PSI. At the 250 PSI shut-off test, valve must be bubble-tight with a zero leakage allowance.

Resilient wedge gate valves shall be the product of a manufacturer having a minimum of five years of experience in the manufacture of water works and distribution valves. Resilient wedge gate valves shall be made in the U.S.A. by American Darling Valve Co., Birmingham, AL; Mueller Company, Decatur, IL; Clow Valve Division, Oskaloosa, IA; Waterous Company, St. Paul, MN; American AVK, Minden, NV; or approved equal.

Valves shall have a minimum ten year manufacturer's warranty.

Connection:

- a. Valve inlet shall be designed for use with ductile iron, cast iron, HDPE and PVC pipe materials.
- b. Inlet shall incorporate stab-fit design requiring the use of only one Type 304 stainless steel fastener. The assembly of flange or mechanical joint restrainers using multiple fasteners or wedge bolts is not permitted.
- c. Restraint accessories shall be factory installed.
- d. All valve inlets shall be the ALPHA design (OR APPROVED EQUAL) furnished by AMERICAN Flow Control.

VALVE BOXES AND VALVE BOX ADAPTER

Valve Boxes

Valve boxes shall be cast iron, 3-piece, 5 1/4" inside diameter adjustable valve boxes of the screw type with sufficient length for a minimum bury depth of six feet.



Valve boxes, parts, and covers shall be made in the U.S.A. by Tyler Pipe Utilities Division, Tyler, TX; Mueller Co., Decatur, IL; Clow Corporation, Oak Brook, IL; or approved equal.

Valve Box Adapter

All valve boxes shall be centered over the valve with the aid of adapter. The adapter shall be manufactured using 95% by weight recycled rubber compound. The adapter shall be Valve Box Adapter II, as manufactured by Adapter, Inc., or approval equal. Hardwood or concrete blocking is not allowed. Furnish and installation of the adapter shall be incidental to the valve and valve box.

Valve boxes shall be installed over all underground valves unless otherwise shown on the Plans. Valve box stems shall be of sufficient length as shall be adapted, without full extension, to depth of cover required at all locations.

All valves, valve boxes, stems, etc., shall be set plumb and level. Valve boxes shall be carefully centered on the valve. Earth fill shall be carefully tamped around each valve box for a distance of four (4) feet on all sides of the box, or to the undisturbed trench face, if less than four (4) feet.

FIRE HYDRANTS

Fire Hydrants shall be dry barrel type as manufactured in accordance with AWWA Standard C502-01.

Waterous WB 67 (6.5 Bury with a 16" breakaway section)

Hydrants shall be of traffic breakaway design.

Hydrants shall be provided with two 2 ½" base connections and one pumper connection.

Hydrant valve shall operate as to open clockwise and to close counter-clockwise.

Connection:

- a. Hydrant Inlets shall be designed for use with ductile iron, cast iron, HDPE and PVC pipe materials
- b. Inlet shall incorporate stab-fit design requiring the use of only one Type 304 stainless steel fastener. The assembly or flange or mechanical joint restrainers using multiple fasteners or wedge bolts is not permitted.
- c. Restraint accessories shall be factory installed.



- d. All hydrant inlets shall be the ALPHA design furnished by AMERICAN Flow Control.

All hydrants shall be shipped in accordance with the appropriate requirements of AWWA. Hydrant ends shall be sealed to prevent entry of foreign matter into the valve body.

Hydrant shall be installed with a 16" x 16" x 6" concrete seating block, concrete thrust block, and a 1/2 cubic yard of clean washed rock bedding to act as a drain field for water discharge during closure.


YARD HYDRANTS

Yard Hydrants shall be Woodford Y-34 Iowa Frost Free Hydrant with Vacuum Breaker or approved equivalent and installed with a 6 ft. bury depth.

ITEM NO. 2: BUILD AMERICA, BUY AMERICA" PROVISIONS

Based on the "Build America, Buy America" provisions of the Infrastructure Investment and Jobs Act (IIJA) and E.O. 14005 which provide that, as appropriate and to the extent consistent with law, a preference will be provided to Contractors for the purchase, acquisition, or use of goods, products, or materials produced in the United States (including but not limited to iron, aluminum, steel, cement, and other manufactured products.) The Contractor shall provide documentation of their efforts to meet the provisions of "Build America, Buy America" upon request.

02/28/2023


John Weeldreyer (Feb 28, 2023 14:36 CST)

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Engineer III